



Ø Beat



Vol. 50

April 2000

No. 4

Old Timers Night

The March meeting was a big hit! When we do this again, we hope you all can make it! It's great fun to go back in time a little and see and hear how things were done then. Thanks to everyone who helped make it a fun evening. In conjunction with that I'd like to see a booklet of Millenium Members where each PPRAA member makes a page for the book. Make an 8" x 10" personal page for you and/or your family, plain, fancy or whatever. Include your QSL card, a photo and a note stating when you were licensed, special interests, etc. We'll put them in a book in clear protective sheets so you can make changes easy. I hope you'll do this! Next time we have OT Night we can have a display of the year 2000 membership! I'll have the sheet protectors at the April club meeting, ready for your pages. Jody KAØROZ and I will be glad to help you in any way. Thanks! *de Rosie WAØMNL [Ed: More photos on the club's web page! Thanks to Sid White K4ARM for the photos.]*



L to R: Back row: Dave Givan KØIRP (1957), Bob Sayers WØOFA (then KØIRO) (1957), Bill Pierce KDØJU (1968), Don Hohisel KEØGJ, Pete DeMario WØVI (then KØUDG) (1959), Bill Haskin KØCEN, Ida DeMario WAØNTA (1966), Art Mayer WAØAEH, Dave Ragan WØMEY (1952), Jake Jacobs NØCYR (1953); Middle row: Rosie Calaway WAØMNL (1965), Kit Schmidt NØKIT, Rhoda Anderson KB2BZY (1959), George Lockhart WØGHL (1966); Front row: Sid White K4ARM (1957), Rick Brown KØSU (1962), Bob Wogaman NØBOB, Austin Cleis W6RML (1956).

Meetings Our monthly meetings are normally on the 2nd Wednesday of each month at 7 pm at Mount Calvary Lutheran Church, 1318 N. Circle Drive, about 1/2 way between Platte Ave and Constitution Ave on N. Circle. Our Annual meeting is in October. (See Pg 3 for April!)

Regular License Exam

Sessions PPRAA ARRL test sessions on the 2nd Saturday of even numbered months at 9 am at the Denver Technical College, 3245 International Cr, across from Memorial Park. Contact Erik KGØXE for details.

Examinees need to bring (1) \$6.65, preferably a check or money order payable to ARRL/VEC (elements 1 and 2A are free before 4/15); (2) picture ID; (3) the signed original and a copy of your current amateur radio license and CSCEs you have (we keep the copies); and (4) a pen, pencil, and calculator if needed. Memory calculators will be checked.

PPRAA Web Page See it at <http://www.qsl.net/ppraa/>. Thanks to Rick Brown KØSU, our webmaster.

Get on the PPRAA E-mail Reflector Stay on top of new or short-fused developments. Send e-mail to majordomo@qth.net; within the body type "subscribe **ppraanet**".

PPRAA Simplex Net All amateurs are invited to join us on Thursday evenings at 7 pm on 146.58 MHz simplex for our club net. Get the latest club and regional happenings!

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*This Officer/Director is completing the second year of the two-year term to which they were elected.

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CCARC Liaison	Ron Deutsch	NKØP	593-8352	deutschra@aol.com
RACES Officer	John Roberts	KBØVGX	575-8400	kb0vgx@worldnet.att.net

Upcoming Club Programs

April MARC's portable emergency station, presented by KØHBZ

May Larry Lewis KØRI will do a program on Contesting



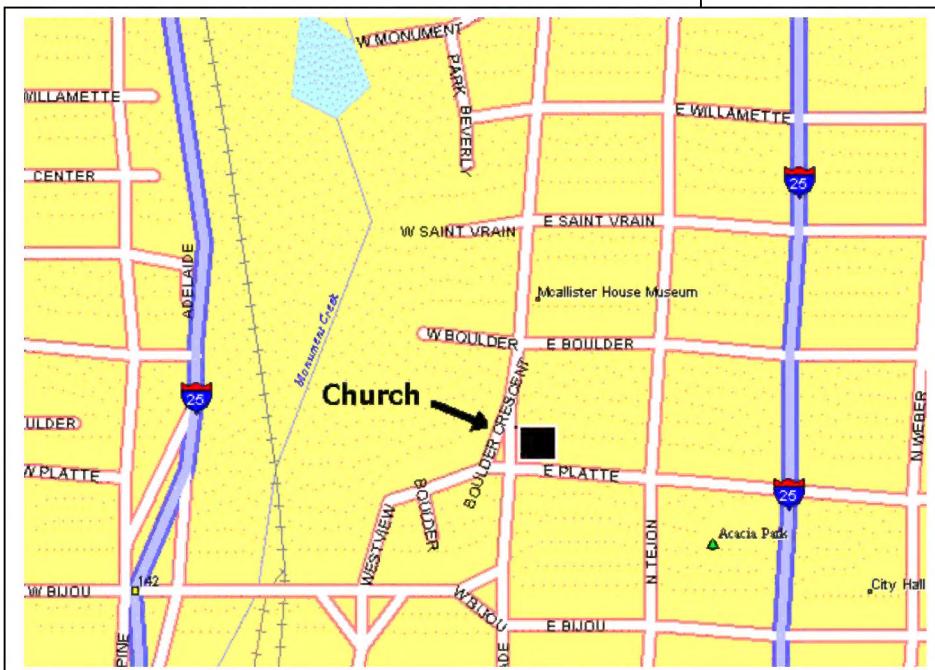
Articles for the Ø-Beat

Deadline for articles or ads is usually the 20th of the month. Submit articles by e-mail, by U.S. Mail to the club's address, or in person to the editor. Editor reserves right to correct for readability, grammar, spelling, length and punctuation.

Nonprofit Organization The PPRAA is a federally recognized 501(c)(3) nonprofit organization and welcomes all contributions. Your contributions/donations may be tax-deductible.

Temporary Meeting Location

First and foremost, let me mention that we're not out of the woods yet! The April mtg location will also be at a temporary location. Carol Wilson KCØDTQ has arranged for us to meet at her church, the First Christian Church, 16 E. Platte Ave, NE corner of Cascade & Platte. (APRS 38° 50.300' N 104° 49.490' W) Enter the parking lot on the north side of the church off of Cascade



Ave. Enter the church through the double glass doors , also on the N side. We have the church from 1815 'til about 2130. Thanks, Carol! We should be back to the normal meeting location for May, when the Easter season has passed.

Nikola Tesla: A Short-Time Resident of Colorado Springs Written Out of History

[Mel Hosea, W3TMR, another PPRAA Old Timer, first licensed in 1952, offers this addendum to last month's bit of radio history. This article previously appeared in Ø-Beat]

Had you been a resident of Colorado Springs just before the turn of the 20th century you may have been acquainted with Nikola Tesla. Chances would have been slim. He was a shy eccentric, well known by very few individuals. However, he did have some very close friends throughout his life. Counted among these were William K. Vanderbilt, a millionaire of the period, Robert Underwood Johnson, a magazine editor, and Mark Twain. A perennial bachelor, he could have perhaps married Anne Morgan, daughter of J. Piermont Morgan,

who had a crush on Nikola for some time.

When Tesla arrived in Colorado Springs in May of 1899, Cripple Creek was well on its way to becoming the "World's Greatest Gold Camp". This new bonanza lay on the other side of the Midland Terminal railroad out of Divide, and fifteen miles from Colorado Springs, beyond Pikes Peak. Colorado Springs became the home of many who struck it rich from Cripple Creek gold. Nikola Tesla was here for another reason.

Tesla was born in 1856 in the province of Lika, Croatia, in the village of Smiljan. His mother was a Croate, his father a Serb, families whose descendants are involved in civil strife today. It is said that he was born during a severe electrical storm around midnight and that it is uncertain whether his birth date is the 9th or the 10th of July. That experience may have foretold his future in Colorado Springs and given reason for the title of a book published many years later: "Lightning in His Hand", by Inez Hunt and Wanette W. Draper.

In Tesla's homeland, career choices were pretty much limited to farming, the army, or the Church. His father, a minister in the Serbian

Orthodox Church, had hopes that his son would aspire to the clergy. This was not to be. While Tesla was away at school living with an uncle, he contracted malaria. Having recovered somewhat while finishing school, he was about to return home when he received word of a cholera epidemic and that he must not come. He did, however, and in a weakened condition came down with this disease. The successive illnesses left him near death. His father realized that he must have every incentive to survive and yielded. He promised Nikola that if he would live he should have the best technical training available. He did survive, and it was then he attended the advanced Technical School at Graz in 1875 and finished at the University of Prague in 1880.

It was during this time that Tesla became interested in electric motors and in particular, rotating magnetic field types leading to his patented polyphase alternating current generation and distribution system. Before he came to the United States he was employed by several companies, including the American Telephone Company in Budapest installing the newly patented telephone invented by Alexander Graham Bell. Charles Batchelor,

a friend of Thomas Edison, was impressed with Tesla's work and recommended him to Edison. Tesla came to the United States in 1884 and was employed by Edison in his facility at Menlo Park, in Orange, New Jersey.

This association did not last long. Edison advocated the use of direct current (DC) for lighting and powering street cars. He proclaimed that the generation and use of alternating current (AC) was too dangerous to use.

Tesla, in opposition, maintained that alternating current equipment could operate without commutator brushes, and that transmission of the AC could be accomplished over lines with much less power loss, and therefore better efficiency. He claimed that many other advantages existed over direct current use. Thus began the "Battle of the Currents".

George Westinghouse, the inventor of the railroad brake, teamed up with Tesla to bid on a project to harness Niagara Falls for the purpose of generating AC power for widespread use. Westinghouse, a hard-driving business man, was the source of capital, but he needed the use of patents held by Tesla, as well as his knowledge to accomplish the task. In 1895 Tesla completed the design and construction of a three-phase, alternating current power plant capable of 15,000 horsepower. In electrical terms, that is equivalent to more than 10 million watts! The installation was the electrical engineering feat of the century.

Nikola Tesla came to Colorado Springs to perform high frequency oscillation experiments and test. He had previously written to Leonard Curtis, a patent attorney who had protected his patent rights during court battles in the East. He told Curtis the tests were secret and that the equipment produced 4,000,000 volts, sparks that are a fire hazard. Curtis replied, "All things arranged, land will be free. You will live at the Alta Vista Hotel. I have interest in the City Power Plant so electricity is free to you." He arrived in May 1899.

Tesla was superstitious, as well as an eccentric, and had a morbid fear of germs. He chose room 207 at the Alta Vista for two reasons: it was divisible by three and on the second floor away from the crowds on the first. He could not explain why he favored numbers divisible by three, or why he was bothered by other obsessions that plagued him. At every meal he would use exactly 18 napkins with which to clean the table.

Backed by John Jacob Astor and M. Crawford, a dry goods merchant, Tesla build a huge laboratory on the fringe of what is now Memorial Park at Foote Street. The purpose was to study and experiment with high frequency and high voltages generated by what we know

now as the Tesla Coil, which produces man-made lightning. Atop the laboratory was a 200-foot mast with a copper ball 3 feet in diameter attached, with equipment capable of electrical potentials of more than 100 million volts. Signs were posted around the grounds, "KEEP OUT - GREAT DANGER!"

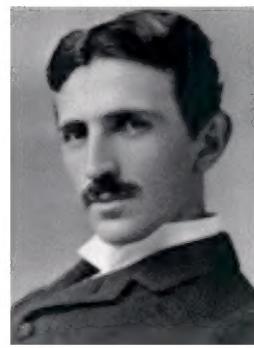
One evening in October of 1899, Tesla fired up his giant electrical apparatus. Kolman Czito, his able assistant, was to close the switch and to open it at Tesla's

command. He did so while Tesla observed from outside the laboratory. The switch was closed and streams of lightning crackled and snaked out from the ball atop the tower for 135 feet. The experiment unleashed an estimated 12 million volts and the thunder produced was reportedly heard in Cripple Creek. The fireworks lasted little more than a

minute, followed by a telephone call from the Colorado Springs power plant that the generator had failed and was on fire. The city was blacked out! Tesla agreed to repair the damaged generator at his own expense, and the city service his laboratory through a separate circuit with its own generator following the incident.

The world of science has only in recent years recognized the genius of one of its most important inventors. He has been written out of history. In his lifetime he submitted and was awarded more than 100 patents in the fields of electrical and mechanical engineering. It was Tesla, not Marconi, who invented radio; Tesla, not Edison who devised the system of electric power generation and distribution used throughout the world. In his New York laboratory, he invented the polyphase electric motor, the bladeless steam turbine and the radio-controlled guided torpedo. Before his death in 1943, during World War II, he conceived and proposed a "Star Wars" type of weapon to the military who, not so politely, turned it down.

The Nobel Prize in physics was awarded jointly to Tesla and Edison in 1915 but Tesla declined to accept the award not wanting to share it with his old rival. In his last days in New York, he lived in seclusion, having lost financial backing from John Jacob Astor and J. P. Morgan. Nearly every day he would go to the park to feed and care for his friends the pigeons. One memento, aside from a small sign in Memorial Park, exists in Colorado Springs. Tesla Drive, a north-south street commemorates the name of the short-time resident. It is divided into three sections by Palmer Park Blvd. and the railroad at Constitution. Again, "divisible by three!"



The Tesla Society maintains the Tesla Museum of Science & Industry at 2220 East Bijou Street here in Colorado Springs, also divisible by three. Featured are many working displays of marvels of electricity. [Ed: *The Tesla Society filed for bankruptcy and closed this museum in the late 1990's.*]

Using the Reflector Lately?

Just a reminder that we have a reflector, or e-mail list, which is a great way to communicate with club members. If you're not on this list and want to be, let me know so that I can add you to the list. If you think you are on the list and haven't seen any messages lately, you may have been deleted somehow. Perhaps you've changed your e-mail address and forgot to notify us. Members of the list can send messages to the list at ppraanet@qth.net. This is a closed list; only PPRAA members can subscribe. That means you won't be inundated with a large number of messages on a daily basis, but you can still find out what is going on with PPRAA members. This is especially useful if you don't have web access. Please don't hesitate to take advantage of this service. *de KØSU k0su@arrl.net*

Thanks! from Chuck Baker

Moe Pierce WBØRTF happened to call in to a radio contest to name that tune the other day, winning some free breakfasts at North End Diner. During the conversation with Chuck Baker, well-known radio talk show host, Moe mentioned she already meets with a bunch of amateur radio operators at the North End Diner. When she mentioned the amateurs, Chuck wanted Moe to pass along his thanks and appreciation for all the work we do as volunteers. Thanks, Chuck! *de WBØRTF*

SSC Status Renewed

According to Marjorie Bourgion KB1DCO, the ARRL has approved our application for Special Service Club status. We're good for another two years. Keep up the good work! This status basically means we're a well-rounded club with respect to education, community involvement, public service, and several other areas. You can read about SSC requirements at the ARRL web site <http://www.arrl.org/>. Thanks to Ron NKØP, the Colorado Section Affiliated Club Coordinator, for helping out.

NTS System Can Use Your Help

Are you a CW buff? The Twelfth Regional Net (TWN) of the National Traffic System, Cycle Four (evening cycle) can use you! TWN serves the Sections of Arizona,

Colorado, New Mexico, Utah and Wyoming and receives and dispatches traffic for these areas and routes other outbound traffic via a liaison to the Pacific Area Net (PAN). TWN Cycle Four meets daily on 3570 kHz (7063 kHz alternate as needed during summer months) at 8:30 pm and 10 pm Mountain Time. If you enjoy CW, you'll enjoy checking-in (QNI), getting your feet wet, and maybe even taking a PAN liaison schedule once you are familiar with both the Region and Area level procedures. It's fun and you're serving an important element of Amateur Radio public service activity. Listen and QNI when you can. Further info on TWN Cycle Four or traffic handling in general can be obtained from the TWN Cy4 Net Manager - Jerry VerDuft, ADØA at (719) 634-8066, or e-mail: verduftj@earthlink.net *de ADØA*

Lunch Bunch

Lunch Bunch meets on Apr 13 at 11:30, Home Town Buffet, Mall at the Bluffs Shopping Center, Austin Bluffs & N. Academy. Contact Ginger Hipszky NØUOD for details.

See you there! [Ed: *Apologies for the error last month listing Lunch Bunch on Mar 13, vice of Mar 9.*]



Hamfest Planning Mtg Change

Due to all of the April 1 activities, the planning meeting will be held on Apr 2 at 0900 at Village Inn, 8050 N Academy. Call Bob KIØGF at 265-9950 if you can't make it. Otherwise, look for him there -- he'll be the one eating the pigs in a blanket!

PPRAA Hamfest!



This is it! Last announcement prior to the 'fest! (You'll probably get the May Ø-Beat on day of the 'fest.) Lots of good things going on May 6th at Lewis-Palmer High School, starting at 8 a.m. Forums, food, raffle, toys and more toys! If you haven't already, get your raffle tickets! Grand prize is a Yaesu FT-100 all-band, all-mode xcvr (see the picture?)! The location is the same as last year:

Lewis-Palmer High School. Forums include APRS, antennas, and an ARRL forum. As always, VE testing! Admission is \$4 for 18 and older. Tables are \$12 (w/additional tables \$10) -- see Dennis Major NØABC. Thanks again to Bob Ryals KIØ-Good-Fun for setting it all up, and to all the others that helped out. You *will* be helping out, won't you? Get a hold of Bob to see what you can do.

Other Upcoming Hamfests

- **May 19-21:** Dayton Hamvention, & ARRL National Convention, Dayton OH. Contact Dave Coons WT8W, 937-849-0604, wt8w@arrl.org.
- **Aug 19-20: Note Date Change !!!** Mountain ARC Campfest, Woodland Park. Contact Wes Wilson KØHBZ, 719-687-8758, w1w@prodigy.net www.qsl.net/nx0g/ Note their raffle will still be Aug 27, held at the QTH of KØHBZ.
- **Aug 20:** Denver Radio Club, Golden. Hamfest & Colorado Section convention. Contact Ron Taylor, KØHRT, 303-989-3978, k0hrt@arrl.net.

Do Hams Like Donuts?

Well, you'd think so if you happened to be sitting at one particular Winchell's Donut Shop in Las Vegas one evening in the late 70's. Here's what happened that night.

But first, let me back up a few months. One evening coming home from work, I discovered that someone had been in my house! The back door was opened, the bathroom window was smashed out, and there were several items missing: a 10-speed bicycle, a cold can of beer from the fridge, and a 2m handheld radio.

Specifically, it was a Wilson 1402, a 6 channel crystal handheld rig. So I filed the police report and expected never to see any of it again.

Several months later, while working an evening shift at Wilson Electronics, I got a phone call from another ham who had heard someone come up on a repeater but not ID'ing, obviously not familiar with FCC rules, and using a "handle" instead of a callsign. Bruce N7KR had known that one of my rigs was stolen, and thought this might be it. As you'll find out here in a moment, it turned out he was right.

Fortunately I was able to leave work, immediately tuning in to the repeater being used illegally. Going against what I usually recommend, a number of us decided to engage him in conversation, hoping to find out about the radio he was using. I wanted to see if it really was mine.

Since I knew what crystals were in which slot in the radio, we convinced him to change channels a few times to confirm what frequencies were in which channel positions. (Ch A on my stolen rig was 146.52, Ch B was 146.88, etc). Sure enough "his" rig was crystalled exactly how my stolen rig was. One more unique thing about my radio was the rubber duck antenna. Mine had a white end cap on it; most had black. We convinced him that the color of the cap indicated antenna performance, and that if he had a white tipped antenna, then he was operating on a low-end antenna. What a line, and he went right along! He told us his was a white tipped antenna! At that moment, I was 99% sure it was *my* stolen rig he was using!

Now you have to keep in mind the repeaters this guy was using were wide coverage repeaters, and there was quite a following of hams listening in, from parts of So. Calif to all of So. Nevada. Fortunately they understood the situation, and restrained the urge to quote FCC rules to us and the perpetrator.

A couple of hours into this event we formed a team of about a half dozen DF-ers. So, driving around with yagi antennas sticking out the windows, we narrowed his location down to a block of homes in North Las Vegas, not more than about 1 mile from my home. Within the hour we had pinpointed the exact house, and even saw him come outside with the HT while he was talking. Bruce kept a visual on the house as I visited the nearby police station. I told the sergeant of the situation, but unfortunately he wouldn't issue a warrant without more information, but if we could get the guy to meet us at a public place he would step in since I had my original purchase receipt. The idea was to have him arrested on possession of stolen property.

The perpetrator became silent for about another hour, but when he came back on, we convinced him that we could get him a better quality antenna, and improve the operation of his (my) radio. So, about 11 pm or so, under the guise of helping him to improve upon his radio, he agreed to meet us at Winchell's for coffee and donuts. Bruce headed on over there, while I got a police officer to meet me. Once inside the donut shop, well, I had never seen a donut shop filled with that many people, and nearly all of them were the hams that had been monitoring! They wanted to be part of the action! Armed with my receipt, the officer approached the guy, examined the radio, and placed him under arrest. A happy ending, more or less. I eventually got the radio back after a court date. I couldn't thank Bruce, the DF-ers, and all the observers enough for their help.
de N7LV

Public Service and Emergency Communications Activities

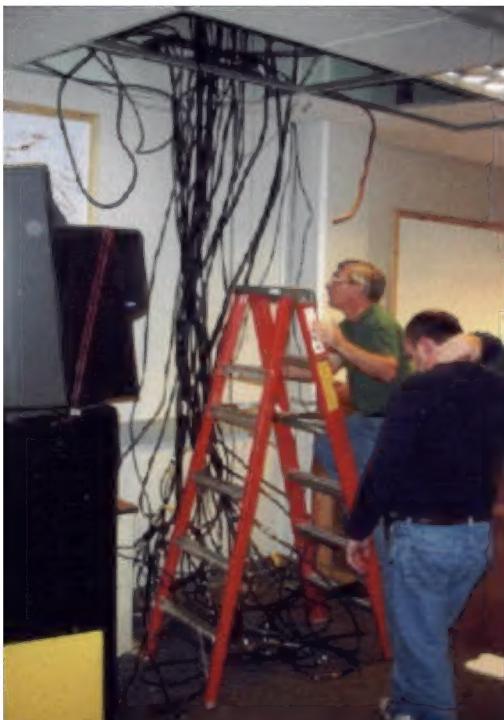
The PPRAA is an ARRL Special Services Club, but it is not an emergency services club itself. The PPRAA supports all amateur radio involvement in public service and emergency communications in any way it can, including reporting activities happening in the region. These columns are based on available knowledge, and the opinions expressed are not necessarily the opinions of RACES, ARES, Skywarn or any other organization or its leadership. Logos used with permission.

Radio Amateur Civil Emergency Service



<http://www.qsl.net/epcraces/>

2000 will probably be as busy as 1999. First, WX spotter training on Apr 27 at 1900, presented by NWS, which certifies you as an NWS spotter. You should try to make either the 4/1 or the 4/27 training to be certified. RACES will do at least two exercises later this year. Work is nearing completion on the communications dispatch console. As you can see in the photo, there is quite a rat's nest of cabling (Jim KCØFIB and Bryan NØLUF are out to get that rat!) and it takes time and attention to detail to make sure it all goes back together. Mark Hatcher NØNKA apparently is getting PCS orders, and will be leaving the area this summer. Mark has been both the Asst RO and the technical coordinator. Thanks for all the hard work, Mark. Other calendar items are the Jul 25-30 County Fair, where there may be a RACES display in conjunction with the Sheriff's office. Also the RACES picnic, scheduled for Jul 16 (alt date of Jul 23). Ham classes are complete, so meetings are again taking place in the OEM. Haven't got your hat/shirt/bumper sticker yet? See Les KCØNC or Doug WØMHP.



Amateur Radio Emergency Service



<http://www.qsl.net/n7lv/dist14.htm>

PPARES is gearing up for the public service and severe weather season. By the time you get this the Apr 1 Skywarn training will be history. Next training: 2001. Do practice up on your net operating skills though. PPARES is hoping to see a marked improvement in net conduct. The recent net control training conducted on March 18 at the El Paso Co. Search and Rescue office went very smoothly. It was nice to see a few new faces, but somewhat disappointing to see more of the same ol' faces. Training should be for new people, otherwise we're just preaching to the choir. The first public service event is April 27. See Wes KØHBZ to help with the March of Dimes walk. Luci NØOUD will be organizing most other events. July 4th Hill Climb will need volunteers very soon. Sign up now w/Rob N7LV. Larry N9HSW is looking for ways to use digital communications for weather and others. Now's a good time to start planning some kind of project for your vehicle or home to prepare for emergency operations.

Tom Frazer WAØQQT, Silent Key

If you've been around the club for 10 or more years or have worked the Pikes Peak Hill Climb, you likely knew Tom Frazer. You may recall Tom being very active in public service events. Besides an amateur radio operator, Tom was much more active with the El Paso County Search and Rescue. In years past, Tom coordinated all the communications for the Hill Climb (not just amateur, but public safety, race control, wreckers, etc) during the race. If you had walked into the White Whale (the EPC SAR comm van) on race day, you'd find Tom in the driver's seat. Usually very quiet on the VHF/UHF amateur radio bands, he was the main point of contact for the hams during the races. Coincidentally, as I'm writing this, I see a small article in the Mar 23 Gazette "Out There" section about Tom, primarily with regard to SAR, written by Deb Acord. She states that Tom joined SAR in 1979, and had been president of SAR for 12 years. His fund raising efforts in SAR led to many donations, and the acquisition of much-needed equipment. Tom had recently worked for Digital Electronics Corporation after a 20-year career in the Air Force. Born on Dec 26, 1942, Tom passed away on Feb 14, and is survived by his wife Brenda, three daughters, a brother and six grandchildren.

April Program for Emergency Communicators

It's always worthwhile to take a look to see how other hams have arranged their shack or their car. You learn what works and what doesn't, and try to pick up a few hints on cable arrangements, radio placement, etc. It's especially helpful with regard to emergency stations, so you can continue to operate in a fully prepared manner if you lose power, or you are called up for mobile operations. The Mountain ARC has put together a very nice portable emergency station which has got nearly everything you can think of. (No kitchen sink, though.) Too much to describe here, so you gotta come and see it. It's quite a station!

Field Day Coming Up

Once again the fine team of PPRAA and MARC will organize the Field Day station. Mike Stansberry KØTER has confirmed that the Sourdough campsite will be the location of Field Day 2000. The general consensus of the club members is to head for the hills! HP/Agilent Technologies operates a fantastic camp facility just a few miles north of Woodland Park on Hwy 67. There's plenty of room for parking, tents, trailers and lots of antennas! Sourdough, as it's called, is about 2.4 miles N of Woodland Park on CO Hwy 67. We'll have a map in the June

Ø-Beat. Now's the time to start planning, though, and if

you want to help with setting

up a station, contact Mike KØTER. Due to the licensing restructure, there will not be a Novice/Tech station. Instead, Wes KØHBZ will be setting up an Elmer station on



Saturday morning for those of you that want to see what's necessary to set up from scratch and operate in them thar hills. Field Day is on Jun 24-25.

CCARC Meeting Results

Moe Pierce WBØRTF attended the CCARC meeting on Mar 25 representing the PPRAA. She reports that there are several new faces on the board of the CCARC, and that the Colorado Section has a new frequency coordinator. The results are: Newly elected chairman: Bud Saum KØGS; vice chairman: Glenn Cascino WNØEHE; secretary: Tony Ferris NAØUS. Mike Wisch WBØLGC is continuing as treasurer. Frequency coordinator is John Thomson N5EHP, replacing Whit Brown WBØCJX, who has held the position for the past nearly 30 years. John is from Colorado, a Tech Plus, and is very active in the VHF/UHF world. He spends a

lot of time maintaining the Colorado Connection system. You've seen him at the Ham Radio Outlet in Denver. You can e-mail him at jt@skibuff.com.

PPFMA Election Results

On March 5 the Pikes Peak FM Association held its annual meeting to review the past year and to elect board members. The PPFMA board now looks like this: Chairman NØWPA, Vice Chairman NØIZM, Secretary N4TGO, Treasurer WØLD, and board members at large AEØB, KBØUMU, N9HSW, NØWGQ, KBØIAP, KAØWIE, NØZPY, plus one vacant position. The PPFMA has also changed their dues schedule to a prorated schedule, with all memberships coming due in March, rather than in the anniversary month of each individual membership. Also at the meeting, the PPFMA awarded a life membership to Warren Hickey WØYNE for his contributions, his dedication and his selflessness in all that he's done for the PPFMA.

Dits and Bits

- **For Sale:** HTX-202, 2 Meter handheld, rebuilt NiCad battery pack, usual accessories, speaker mic: \$75.00. Rick Brown KØSU, k0su@arrl.net, 531-9423(h) 591-3741(w).
- **For Sale:** By El Paso Co. SAR: 4 radio lockers, with doors, two 22" x 21" x 68", one about 1 foot shorter, and one about 1/2 the height but slightly wider; commercial grade radio taping system with three tape decks. Best offer. You remove. Larry Dunn, N9HSW, 265-0329, ldunn@divide.net.

FCC Licensing & Testing

Activity continues to increase with respect to everyone cramming for that upgrade before the rules change. You still have several opportunities to get in under the gun. The PPRAA VE team will hold two sessions in April: the normal session on the 8th, and a special session on the 15th. On the 8th we'll be at the Denver Technical College annex, 3245 International Cr at 9 a.m. Business as usual: all exams given. On the 15th, which will be

AFTER the new rules go into effect, we'll hold a special "paper only" session on at 9 a.m., but in the *MAIN* building (where we used to test). Enter through the SE door. No testing; instead it'll be only for those meeting the new requirements to upgrade based on CSCEs and licenses held. A combined PPRAA/MARC team will also test at the PPRAA hamfest. Finally, the MARC VE team has just issued a last-minute announcement to schedule a *really last minute* VE session on Apr 14 at 7 pm at the Woodland Park Senior Center. Several people have been asking for this, so they've responded. If you really want that upgrade before the restructuring, then contact Wes Wilson KØHBZ or Dean Buckhouse KBØVVA to make sure things are still on schedule for Apr 14.

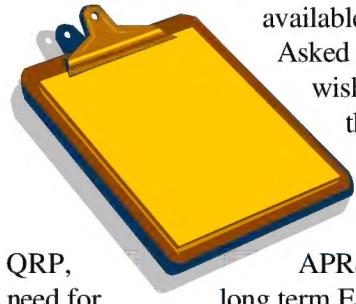
General Meeting Minutes

The March 8th meeting of the Pikes Peak Radio Amateur Radio Association was called to order at 7pm by President Mike WV7T. There were 46 members/visitors present. All in attendance were asked to give their name, call sign, and how many years they have been licensed. Mike presented certificates to code class graduates John Auer KBØUMU, Eric KCØGYM, and Bill Bramley NØTUL. A motion was made and approved to accept the February club meeting minutes as published in the *Ø-Beat*. Rob N7LV gave a brief report on the club's treasury. Stated that swapfest tickets are available for members to help sell.

Asked if any club members wished to help sell tickets at the Castle Rock hamfest.

Rick Brown KØSU spoke about swapfest programs, Colorado

QRP, APRS, and that there was a need for long term Elmership for a ham wanting to upgrade to General. Upcoming VE sessions, April 8th at 9am at Denver Technical, April 15th (paperwork only). Moe WBØRTF said she won "Name That Tune" on the radio and the announcer had recognized the value and efforts of Colorado Springs area ham operators. Rosie WAØMNL said the Lunch Bunch would meet Thursday 9 March. Sid K4ARM mentioned he was still selling tickets for door prizes and a chance at the SX-62 receiver. Rick KØSU has certificates for January's Show-And-Tell. March board meeting at home of Mike and Rhoda Anderson, WV7T/KB2BZY. April 12th club meeting at First Christian Church, Cascade and Platte, Colorado Springs at 7pm. Marcia KCØFII gave out Freezoree certificates,



and read thank you letter from Air Force Academy. Mike WV7T is still looking for hams who would like to share what they like in amateur radio with new hams in a classroom environment. By club vote Field Day 2000 will be held at the HP/Agilent Technologies recreation area just outside Woodland Park. HAMMY will be presented at the April club meeting. The Old Timer's Night program began with "Show-And-Tell" of vintage equipment brought by club members. Meeting adjourned at 9:10pm. *Submitted by Rhoda Anderson, KB2BZY, Secretary.*

Board Meeting Minutes

[The April board meeting will be held at Rick Brown's QTH (KØSU) on Monday Apr 17. RSVP 531-9423.]

The March 13th board meeting of the Pikes Peak Radio Amateur Association was called to order at 7pm in the home of President Mike Anderson WV7T. Board members in attendance: Mike WV7T, Sid K4ARM, Rhoda KB2BZY, Rob N7LV, Roger KBØRLF, Moe WBØRTF, Bill KDØJU (proxy for Paula KCØAGG). Visitors: Russ and Rosie Calaway WAØMNL/ KBØFNM. Absent members: Rick Brown KØSU. A motion was made and approved to accept the board meeting minutes as published in *Ø-Beat* for February 2000. There was discussion on Field Day, the club picnic (finding a date that does not conflict with other radio related activities), the HAMMY, and club equipment inventory. Mike mentioned that he had been contacted regarding equipment donations to the club, that code classes will continue, a code/General License Theory class may be in his future, asked about using monies from last year's swapfest. Thunderbolt Amateur Radio Association in Pueblo would like to exchange newsletters with PPRAA. April meeting will be at the First Christian Church in Colorado Springs. April 17th board meeting will be at the home of Rick Brown KØSU. May Board meeting will be at Sid K4ARM's home. PPRAA's renewal as a Special Service Club has been received by the ARRL. Sid K4ARM discussed sorting items for swapfest he received from various sources. Will study bylaws regarding absentee ballots for club elections. Rosie WAØMNL. Would like club members to make a one page biography of themselves for a club member history book so future club members can see and know about present members in the club. A motion was made and approved to allocate \$35 for the member history book project, asked about treasurer's books being audited. Due to Skywarn training and swapfest on April Bob Ryals will be contacted to reschedule the swapfest meeting for April 1st. Bill

KDØJU asked for help selling tickets at swapfests. Meeting adjourned 8:20pm *Submitted by Rhoda Anderson, KB2BZY, Secretary.*

Treasurer's Report

\$320.00 - \$319.83 = \$0.17 (ending 02/29/2000)

Income - Expenses = Gain (Loss)



No news to speak of. The raffle is the biggest concern I have right now, making sure we sell enough tickets to cover the cost of the prizes, and to make a little profit.

We'll have tickets at the next club meeting, so bring some \$++. Some folks will be up at Longmont selling tickets at a table there, so buy a few while you're up there. Nonprofit committee meeting: The next nonprofit committee meeting will be at my QTH on Apr 30. Please RSVP. *de N7LV*

Member Committee Report

Please welcome these New Members:

ROBERT MASNIKNo Call JOHN PEHRSON . NØLSE

Members who need to see the treasurer:

DICK HUNTRODSKJ6IV	BUD LIBENGOOD NØDDF
PHIL PEARSALL.....KC5LXC	JAMIE ROBERTS. KCØFIF
NANCY ROBERTSKBØYCJ	JOHN ROBERTS.. KBØVGX

Goodbye to the following members:

SETH BARDASH.....KIØPE	GEORGE FARINA KBØEXK
DAVID HAMULAWBØFHO	NICK POWELL NH6ON
DAN SCOTTKBØPPM	BOB SNYDER..... KIØQM

Total Number of Members:

182

(Note: Disregard if your mailing label indicates you're current.)

Call sign changes:

George Lockhart from WBØDUM to WØGHL

President's Soapbox

This month a significant change in Amateur Radio will occur in the form of a license structure change. There will be less material to be tested on, so how will new hams receive knowledge they need in order to fully enjoy and participate in this hobby? I believe Part 97 says we are self-training, so let us self-train. Who would be willing to help out with a one night a week General Class License course? How about demonstrations of various facets of ham radio? I hear some who are not so happy with the change, not much we can do about that, but we can take care of our fellow hams by sharing what we have learned.

The swapfest is rapidly approaching. Don't be the last to get your tickets. Field Day is also coming up so mark your calendars. *73 de WV7T*

Got Any Good Stories?

I'm looking for stories about your ham radio experiences. Anything you've done recently (or a while ago) that is shareworthy? Tell us about your experience installing a new tower or antenna, or what you learned during installing a station in your home or car. What projects are you working on that we'd be interested in hearing about? New packet station? APRS? Break through a DX pile-up to work a rare country? Just finished your WAS? We'd like to know! Send them in to the editor -- me! *de N7LV*

The Missing Q Signals

[Thanks to Tim KCØGBH for pulling these out of Worldradio.]

Some Q signals have never made it to the ARRL's official list. Here are some that may agree would be useful in appropriate situations. As with regular Q signals, each can be a statement or a question, depending on whether a question mark follows it.

QLF	I'm sending with my left foot
QLF?	Are you sending with your left foot?
QRC	Warning, rag chewer on frequency
QRC?	Are you a rag chewer
QOK	Your last transmission was Okie Dokie.
QOK?	Was my last transmission OK?
QFH	This frequency is MINE! Go elsewhere.
QFH?	Is this frequency hogged?
QBS	It's getting deep in here.
QBS?	Did I tell you about the one that got away?
QZZ	I fell asleep at the mike.
QZZ?	Is that a 60 Hz hum, or are you snoring?
QBA	My antenna is BIG!
QBA?	How big is your antenna?
QHI	I am jumping in quick to say "Hi!", then going QRT.
QHI?	Are you leaving after only one transmission?
QBO	Don't sit next to that guy in the meeting.
QBO?	Buddy, can you spare some soap?
QNO	I am sending through a non-standard orifice.
QNO?	Are you sending through a non-standard orifice?
QCW	I am going to whistle Morse code on FM (or SSB)
QCW?	Why are you whistling Morse?
QET	Phone home.
QET?	Has anyone called me from another planet?

John Queen KAØSEY & Mike Colyar K7ITL

Pikes Peak Region Ham Event Calendar

April / May 2000						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 Skywarn Trng Hamfest Mtg Longmont Hamfest
2 Daylight Savings	3	4	5	6	7	8 PPRAA VE Testing
9	10	11	12 PPRAA Mtg	13 Lunch Bunch	14 MARC VE Testing (special)	15 License Restructuring Goes into Effect
16 Fox Hunt	17 Board Mtg	18	19 MARC Mtg	20 RACES Mtg	21	22
23 Easter Sunday	24	25	26	27 WX class at EPC OEM	28	29 March of Dimes Walk
30	1	2	3	4	5	6 PPRAA Hamfest
7	8	9	10 PPRAA Mtg	11 Lunch Bunch	12	13
14 Fox Hunt Mother's Day	15 Board Mtg	16	17 MARC Mtg	18 RACES Mtg	19 Dayton	20 Dayton
21 Dayton	22	23	24	25	26	27
28	29	30	31			

Future Dates to Note: Field Day Jun 24-5; Pikes Peak Hill Climb Jul 4; Club picnic Aug 6; MARC Campfest Aug 18-20.

Membership Application for the Pikes Peak Radio Amateur Association, Inc.		
P.O. Box 16521, Colorado Springs, CO 80935-6521		
Date: _____	<input type="checkbox"/> New Member <input type="checkbox"/> Renewal	In which activities would you like to participate?
Name: _____	<input type="checkbox"/> Field Day	
Address: _____	<input type="checkbox"/> Demonstrations	
City: _____ State: _____ Zip: _____	<input type="checkbox"/> Nets or round tables	
Call: _____ Class: N T + G A E Phone: _____	<input type="checkbox"/> Organize activities	
Mbr of ARRL? <input type="checkbox"/> Yes <input type="checkbox"/> No E-mail: _____	<input type="checkbox"/> Teach ham classes	
Additional Family Members to Join/Renew:		
Name: _____ Call: _____ Class: _____ ARRL? _____	<input type="checkbox"/> Full Member \$15: <input type="checkbox"/>	
Name: _____ Call: _____ Class: _____ ARRL? _____	<input type="checkbox"/> Family Membership \$18: <input type="checkbox"/>	
Name: _____ Call: _____ Class: _____ ARRL? _____	<input type="checkbox"/> Over 65 \$10: <input type="checkbox"/>	
<input type="checkbox"/> Over 65 Family \$12: <input type="checkbox"/>		
<input type="checkbox"/> Associate \$12: <input type="checkbox"/>		
<input type="checkbox"/> Ø-Beat Only \$12: <input type="checkbox"/>		
<input type="checkbox"/> ARRL Dues Incl'd \$34: <input type="checkbox"/>		
Donation to Club: _____		
<u>Total Enclosed:</u> _____		
Would you like to receive Ø-Beat electronically via e-mail in PDF format instead of a printed copy? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Circle your interests <input type="checkbox"/> HF / V/UHF / FM / SSB / Digital / DX / Contests / Technical / Hardware / Other _____		
Renew your ARRL membership through the PPRAA! Send your ARRL renewal form and your check for the amount due to the ARRL to the PPRAA. Make the check payable to the PPRAA. The PPRAA will forward your renewal form to the ARRL. The PPRAA keeps \$2 as a donation or commission, and pays the difference to the ARRL.		
New and renewing members must submit a completed application form along with your check to the Treasurer. Please Type or Print Clearly!		

Miley's Radio

719 West 7th Street, Florence, CO 81226 (719) 784-3040
Since 1974

Jess will be closed in May, but look for him at the PPRAA swapfest May 6 in Monument!

AMERITRON Amp. AL811H New, 160-10m \$700	KENWOOD TS570DG \$900
ATLAS 350XL Two parts, radios and good PS, speaker \$200	KENWOOD TS830S, nice, \$600
BUTTERNUT HF5-B HF beam 10 12 15 17 & 20m good cond. \$150	KENWOOD TS930S, very nice, \$775
HEATHKIT SB220 amp, 10-80m, excellent cond, 2kw, \$400	KENWOOD 9130, \$300 TS430S \$600
ICOM R1 HT Receiver, 100 Hz to 1300 MHz, \$225	KENWOOD 2100, HF SWR / wattmeter, matches most Kenwood, \$75
ICOM R100 Mobile Receiver, 100 Hz to 1700 MHz, \$450	MFJ 9406X 6mtr ssb, new \$250, used \$175, CW adapter \$40
ICOM 735, w/ hand mic, electronic keyer, & mounting bracket, \$625, alone \$600	RCI 2970 \$200
ICOM 745, with internal PS, loaded with filters and TCXO, \$600	TUCKER T-3000 Digital Antenna Tuner 3kw PEP, cross-needle meter \$275
ICOM 751A, nice, \$750	YAESU FT101E, xcvr with hand mic, good cond, \$325, also B & EE, \$300 ea
KENWOOD PS 50, 10 amp power supply, \$150	YAESU FT101ZD, digital, great cond, \$450
KENWOOD TS140S, \$550	YAESU FT102, digital, AM/FM, WARC, excellent cond, \$550
KENWOOD TS440S, \$750, TS440S/AT, \$850	YAESU FT109RH, 220 MHz HT, 4w, \$150, with tone encoder installed \$175
KENWOOD TS520, \$325	YAESU FT736R, nice, 6-2-400 modules, satellite ready, vox & mic, \$1300
KENWOOD TS520SE, 160-10m, \$375	YAESU FTV707, Transverter, 6m module installed, for FT707-901-902, \$200
KENWOOD TS530SP, digital, WARC, excellent CW/SSB filters, \$550 (2 ea)	YAESU FT757GX, completely aligned, excellent cond, \$575

Complete line of ARRL books in stock, complete line of Mirage Amps in stock, good stock of new & used 2m and dual band rigs, HF/VHF/UHF accessories, batteries & antennas
Rotor cable 2&6 HD and extra HD, coax RG-58/U, 8X, 8U, 213U, 9913, 450' ladder line, 1 ft to 500 ft. Insulators, baluns

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**Pikes Peak Radio Amateur Association, Inc.
P.O. Box 16521
Colorado Springs, CO 80935-6521 USA**

First Class Mail

To:

IMPORTANT NEWS! Meeting location changed AGAIN! See pg 3!